

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the above-identified application:

1. (Currently Amended) A method of enhancing glucan-mediated peripheral committed stem cell proliferation and expansion after injury via the complement system pathway, comprising administering to an individual a therapeutically effective orally bioavailable amount of whole glucan particles, wherein the glucan activates and enhances peripheral committed stem cell proliferation via the complement system pathway.
2. (Currently Amended) The method of claim 1, wherein the orally administered whole glucan particles are taken up by macrophages, degraded and transported to the committed stem cells, wherein activation of the complement system pathway results from binding of glucan to iC3b deposited on a peripheral committed stem cell and proliferation results.
3. (Currently Amended) The method of Claim 1, wherein the peripheral committed stem cells are selected from the group consisting of committed stem cells from the liver, heart, muscle, kidney and neural tissue.
4. (Currently Amended) A method of enhancing tissue repair via peripheral committed stem cell recruitment, comprising administering to an individual with an injury a bioavailable amount of whole glucan particles, wherein the glucan activates stem cell proliferation via the complement system pathway and enhances recruitment of peripheral the stem cells recruitment to the site of injury.
5. (Currently Amended) A method of enhancing glucan-mediated committed progenitor stem cell recovery after injury via the complement system pathway, comprising administering to an individual a therapeutically effective orally bioavailable amount of whole glucan particles,

wherein the glucan binds and activates the complement system pathway wherein peripheral committed progenitor stem cells are regenerated and proliferated.

6. (Currently Amended) The method of claim 5, wherein the orally administered whole glucan particle is taken up by macrophages, transported to the bone marrow, degraded and fragments released that prime the CR3 of stem cells activating the peripheral stem cells to differentiate and proliferate.

7. (Currently Amended) The method of Claim 6, wherein the whole glucan particle via the complement system pathway promotes peripheral stem cell proliferation and differentiation by binding to iC3b deposited on injured stem cells and activating CR3.

8. (Withdrawn) A method of treating injury by delivering an agent and whole glucan particles to the site of injury and enhancing committed stem cell proliferation, comprising administering to an individual with an injury, an agent and whole glucan particles, wherein the whole glucan particles enhances glucan-mediated committed stem proliferation and the agent enhances injury recovery.